

| | |
|--|---|
| Connector Series JBX FH 1 G 02 F S S D P M | Options M - Backnut for protective boot R - Red Dot (FC, FD, PC, SR, ER, ED, EZ) |
| Styles Plugs - FC, FD, FF, FM, FN, FG, FH Receptacles - EA, ED, EP, ER, EZ, PC, SA, SR, HD, HH | Contact Sizes P=0.5mm Contact only S=All other contact sizes except 0.5mm |
| Shell Sizes 0, 1, 2 Contact Souriau for additional sizes | Obligatory Shell Platings N - Brass shell with Chrome over Nickel Plate S - Brass shell with Black Plating |
| Shell Keyings G, J, A, B - standard (Alternate keying available upon request) | Contact Terminations C - Crimp S - Solder P* - Straight PCB Q* - R/A PCB |
| Contact Layouts Size 00 - 04 Size 0 - 02, 03, 04, 05, 06, 07, 08, 09 Size 1 - 02, 03, 04, 05, 06, 07, 09, 10, 12 Size 2 - 02, 03, 04, 05, 06, 07, 09, 10, 12, 16, 18, 19 Size 3 - 03, 04, 07, 10, 14, 18, 22, 30 | Contact Types M - Male F - Female |

* Receptacle with Female contacts only

Technical characteristics

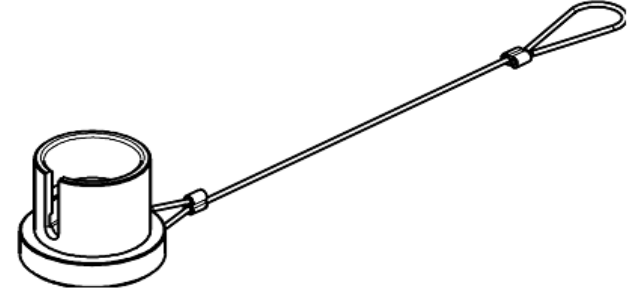
| Component | Material | UL recognized | | Surface treatment(µm) | | |
|--------------------|------------------|---------------|---------------|-----------------------|-------|----|
| | | ISO | ASTM | Cr | Ni | Au |
| Shielding ring | Brass | CuZn40Pb3 | C38500/C36000 | - | 3 - 7 | - |
| Nut | Brass | CuZn40Pb4 | C38500/C36000 | - | 5 - 8 | - |
| Socket Contact (1) | Cupro-nickel | CuNi1Pb1P | CDAC19150 | - | 3 - 5 | - |
| Pin Contact (1) | Brass | CuZn35Pb2 | C38500/C36000 | - | 3 - 5 | - |
| Clip | Beryllium copper | CuBe1.9 | C17200/C36000 | - | - | - |

(1) Gold thickness as per MIL-G-45204C type 1, class 00.

Mechanical and climatic

| Characteristics | Values | MIL Standard | Method | IEC Standard |
|-----------------------|--|---------------|--------|---------------|
| Endurance | > 1000 cycles (except for 0.7mm crimp contacts for which endurance is limited to 500 cycles) | MIL-STD-1344A | 2016.1 | IEC60512-5-9s |
| Shock | 50g duration 6ms; contact Ø0.7mm and 0.9mm 100g. Duration 6ms; contact Ø1.3mm, 1.6mm and 2mm | MIL-STD-1344A | 2004.1 | |
| Vibrations | >10 to 2000Hz y = 15g; contact Ø0.7mm and 0.9mm y = 20g; contact Ø1.3mm, 1.6mm and 2mm | MIL-STD-1344A | 2005.1 | |
| Protection Index | IP68 | | | IEC60529 |
| Operating Temperature | with plastic collets } -55°C +125°C -67°F +257°F | | | |
| | with optional metal collets } -55°C +200°C -67°F +392°F (only on request, consult Souriau) | | | |

| Component | Material | Working Temperature | |
|-----------|---------------|---------------------|--------------|
| Insert | PEEK + 15%GF | -50°C +250°C | -58°F +482°F |
| Collet | PA 6/6 + MoS2 | -55°C +125°C | -67°F +257°F |



FH : Straight plug - Sealed

| Size | 00 | 0 | 1 | 2 |
|------|----|----|---|---|
| A | 32 | 37 | - | - |
| ØD | 7 | 10 | - | - |

| Key | Single Key Way | Dual Key Way | | | |
|--------------|----------------|--------------|----------|-----|-----|
| | G | J | | A | B* |
| | | Size 0-1 | Size 2-3 | | |
| Keying angle | 0° | 45° | 37.5° | 30° | 60° |
| Plug | | | | | |

| Plug Caps | | |
|-------------|------------|----|
| Part Number | Shell Size | Ø |
| JBX BF00 | 00 | - |
| JBX BF0 | 0 | 12 |
| JBX BF1 | 1 | 14 |
| JBX BF2 | 2 | 18 |
| JBX BF3 | 3 | 20 |

***Coupling torques**

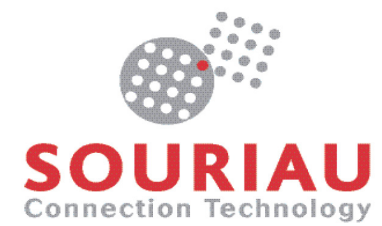
| Tools (jaw dimensions) | Wrench Size | | | | | Advised torques* in Nm | | | | |
|------------------------|-------------|----|----|----|----|------------------------|------------|-----|------------|---|
| | 00 | 0 | 1 | 2 | 3 | 00 | 0 | 1 | 2 | 3 |
| | 7 | 11 | 14 | 17 | 21 | 0.5 | 0.7 | 1.3 | 1.7 | 2 |
| | 6 | 8 | 10 | 13 | 15 | 0.7 | 0.8 | 1 | 1.5 | 2 |
| | 6 | 9 | 11 | 14 | 16 | 0.7 | 0.8 | 1 | 1.5 | 2 |
| | - | 10 | 12 | 15 | 17 | - | 0.4 to 0.5 | | 0.5 to 0.7 | |
| | - | 10 | 13 | 17 | 20 | 0.5 | 0.7 | 1.3 | 1.7 | 2 |
| | - | 9 | 13 | 15 | - | - | - | - | - | - |

For contact LAYOUTS Click Here

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DATA SHEET

JBXFH _____



REV A

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